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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

## [ ] Supplemental (37 C.F.R. §1.67)

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 2 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

NON-LINEAR DYNAMIC PREDICTIVE DEVICE

the specification of which (check one)

[ ] is attached hereto.

[x] was filed on 10/24/01 as United States Application

Number or PCT International Application No. 10/045,668

and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119 or 365 of any foreign application(s) for patent or inventor's certificate, or of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>	Priority Not Claimed	Certified Copy Filed? YES      NO
(Number) _____ (Country) _____ (Day/Month/Year filed) _____	[ ]	[ ] [ ]
(Number) _____ (Country) _____ (Day/Month/Year filed) _____	[ ]	[ ] [ ]
(Number) _____ (Country) _____ (Day/Month/Year filed) _____	[ ]	[ ] [ ]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole

or first inventor Hong Zhao

Inventor's Signature  Date 03/06/2002

Residence 5419 Chesapeake Place

Sugar Land, Texas 77479

Citizenship Peoples' Republic of China

Mailing Address same as above

Full name of second joint

inventor, if any Guillermo Sentoni

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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Citizenship Argentina

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Full name of third joint

inventor, if any John P. Guiver

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 93 Pleasant Valley

Saffron Walden CB11 4AW, United Kingdom

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Date May 6<sup>th</sup> 2002

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Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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Full name of third joint

inventor, if any John P. Guiver

Inventor's Signature John P. Guiver Date 8/March/2002

Residence 93 Pleasant Valley

Saffron Walden CB11 4AW, United Kingdom

Citizenship United Kingdom

Mailing Address same as above

**COPY**Docket No. 1086.1007-005JointASSIGNMENT

WHEREAS, we, **Hong Zhao, Guillermo Sentoni and John P. Guiver**, have invented a certain improvement in **NON-LINEAR DYNAMIC PREDICTIVE DEVICE** described in an application for Letters Patent of the United States, the specification of which:

- [ ] is being executed on even date herewith and is about to be filed in the United States Patent Office;
- [X] was filed on **October 24, 2001** as Application No. **10/045,668**;
- [ ] was patented under U.S. Patent No. [ ] on [ ].

WHEREAS, **Aspen Technology, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **10 Canal Park, Cambridge, Massachusetts 02141** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

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Inventor's Signature: Hong Zhao

Hong Zhao

~~State~~/Commonwealth

of Massachusetts

County of Middlesex

Then personally appeared before me the above-named **Hong Zhao** and acknowledged that he executed the foregoing instrument as his free act and deed this 6th day of  
March, 2002.

(SEAL)

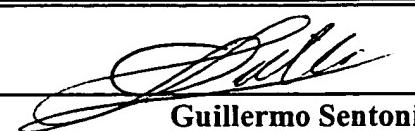
Joan A. Tarka Notary Public

Joan A. Tarka (print name)

My Commission expires 10/11/04

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Inventor



Guillermo Sentoni

Date May 6<sup>th</sup>, 2002

Address

Witness

Juan Pedro Molle Guido Larrañaga, Gerán May 6<sup>th</sup>, 2002

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Witness

Axel Eduardo Larretegi MAY 6, 2002

Address

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ARGENTINA

Inventor

Date

**John P. Guiver**

Address

Witness

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Address

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
**Guillermo Sentoni**

Address \_\_\_\_\_  
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Inventor John P Guiver Date 2/March/200  
**John P: Guiver**

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